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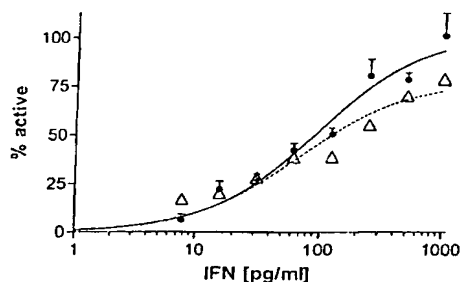
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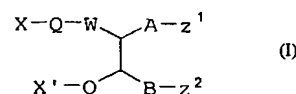
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(54) Title: CONJUGATED BIOLOGICAL MOLECULES AND THEIR PREPARATION



—●— Our native Interferon-α 2b: ED<sub>50</sub> = 90 pg/ml  
--Δ-- Our pegylated Interferon-α 2b: ED<sub>50</sub> = 123 pg/ml



(57) Abstract: Novel biologically active compounds of the general formula (I) in which one of X and X' represents a polymer, and the other represents a hydrogen atom; each Q independently represents a linking group; W represents an electron-withdrawing moiety or a moiety preparable by reduction of an electron-withdrawing moiety; or, if X' represents a polymer, X-Q-W- together may represent an electron withdrawing group; and in addition, if X represents a polymer, X' and electron withdrawing group W together with the interjacent atoms may form a ring; each of Z<sup>1</sup> and Z<sup>2</sup> independently represents a group derived from a biological molecule, each of which is linked to A and B via a nucleophilic moiety; or Z<sup>1</sup> and Z<sup>2</sup> together represent a single group derived from a biological molecule which is linked to A and B via two nucleophilic moieties; A is a C<sub>1-5</sub> alkylene or alkenylene chain; and B is a bond or a C<sub>1-4</sub> alkylene or alkenylene chain; are formed by conjugating a suitable polymer to a suitable biologically active molecule via nucleophilic groups in said molecule, preferably via a disulphide bridge.



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

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